

Trondheim Electric Road Project, Norway



Period:

2024 - To be confirmed

Transport Operator:



OEM Partner:

To be confirmed

Project Sponsor:

Trøndelag County Transportation Authority



Trøndelag fylkeskommune
Trööndelagen fylhkentjelle

Additional Partners:

To be confirmed

Size:

Wireless Electric Road for dynamic charging of an e-bus

In June 2023, Electreon announced plans to deploy their technology as part of the first wireless Electric Road System in Norway. The project will feature Electreon's wireless dynamic charging along an AtB bus route on a public road next to AtB's bus depot in Trondheim, Norway. AtB is a public transport fleet operator in Trondheim responsible for planning, purchasing and developing transportation services in the region, and is fully owned by the Trøndelag County Transportation Authority. The project's expected construction start date and operational deployment is set for 2024.

The project will focus on evaluating the benefits and impact of Electreon's wireless dynamic charging in a BRT scenario, in the unique geographic conditions of Trondheim. In addition, a series of tests for understanding the energy transfer capabilities in both drive and stopping modes along the Electric Road System will also showcase the technology's maturity and ability to operate in real-world scenarios for buses driving on a BRT. The success of this project will serve as the basis for a long-term plan by AtB to establish a comprehensive Electric Road System in Trondheim as a shared charging platform for multiple vehicle types owned and operated by AtB.

Konrad Pütz, Director of Transportation at the Trøndelag County Transportation Authority, has stated, "Inductive charging of vehicles in motion can be an important technology for the transport sector. This project will be most relevant for buses and lorries. The project will provide important knowledge for the coming bus tender in the greater Trondheim area, in operation by 2029. We want to contribute to reducing the barriers for making use of inductive charging under challenging winter conditions and learn how to make it successful."

Maher Kasskawa, Business Development Manager for Electreon AB, has stated, "We are thrilled to have been selected as tender winners. Norway has built out an extensive public charging network, and we are thrilled to add Electreon's cutting edge technology to their portfolio. We believe Electreon's wireless charging will not only meet but exceed expectations in supporting clients with a seamless transition to electric buses. Our solution ensures that this transition maintains the operational efficiency of the bus fleet, while reaping the benefits of sustainable transportation with reduced battery size and weight."